

Title (en)

ENERGY-EFFICIENT EXCHANGE OF DATA IN A WIRELESS SENSOR NETWORK

Title (de)

ENERGIEEFFIZIENTER AUSTAUSCH VON DATEN IN EINEM DRAHTLOSEN SENSORNETZWERK

Title (fr)

ÉCHANGE DE DONNÉES ÉNERGÉTIQUEMENT EFFICACE DANS UN RÉSEAU DE CAPTEURS SANS FIL

Publication

**EP 2218286 B1 20110720 (DE)**

Application

**EP 08862669 A 20081205**

Priority

- EP 2008066852 W 20081205
- DE 102007060187 A 20071214

Abstract (en)

[origin: WO2009077353A1] The invention relates to a method for exchanging data in a network (NET), in particular a mesh network, comprising a group of nodes where the respective node is operated based on a timely repeating process scheme, the process scheme being composed in chronological sequence by an active phase followed by a sleeping phase. The active phase is designed in chronological sequence by an activation phase for communicating the start of the active phase, followed by a communication phase, and the communication phase is composed of a receiving phase for only receiving data and a transmitting/receiving phase for receiving and transmitting data. The invention also relates to a node operating according to said method and to a network comprising a plurality of such nodes

IPC 8 full level

**H04W 52/02** (2009.01); **H04W 84/18** (2009.01)

CPC (source: EP)

**H04W 52/0216** (2013.01); **H04W 84/18** (2013.01); **Y02D 30/70** (2020.08)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)

**DE 102007060187 A1 20090702**; AT E517532 T1 20110815; EP 2218286 A1 20100818; EP 2218286 B1 20110720; WO 2009077353 A1 20090625

DOCDB simple family (application)

**DE 102007060187 A 20071214**; AT 08862669 T 20081205; EP 08862669 A 20081205; EP 2008066852 W 20081205